

Project proposal

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| Title: | Consolidated Database of Oil & Gas Production, Consumption & GDP of Key States in USA |
| Project Description: | Extraction of Oil& Gas data from three databases in two different projects and transform them to a meaningful, normalized data for loading into SQL database |
| Research Questions to Answer: | Identify trends of oil & gas production, consumption and its effect on GDP in key oil producing states of USA, between 2010 and 2014. It's the critical period of oil price dip from its historic high. |
| Sources: | https://www.kaggle.com/lislejoem/us_energy_census_gdp_10-14 https://www.kaggle.com/djzurawski/us-oil-and-gas-production-june-2008-to-june-2018#U.S._natural_gas_production.csv |
| Breakdown of tasks: | <ol style="list-style-type: none">1) Extract oil & gas GDP data from three CSV files of two sources.2) Transform (To analyze for key oil & gas producing states: format, clean, filtering and aggregating data (annualize) for the period of year 2010-2014) and normalize the data tables, if needed, to eliminate data redundancy.3) Load the data in SQL DB |